

Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 6/12/2017 12:58:04 PM
To: Libelo, Laurence [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=da33642e6438407daf4c35afe870046b-Libelo, Laurence]; Washington, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fdc3e8ce9f1d45c4894881ff420ca104-Washington, John]; Lindstrom, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=04bf7cf26aa44ce29763fbc1c1b2338e-Lindstrom, Andrew]
CC: Lynch, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c732d9b0621e4f15a84a62c1af51a809-Lynch, David]; Tobias, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7a575bb6b68848b08a7afacefe07f6b5-Tobias, David]; Antwi, Frank [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ebe273082d2e4351830655e1c271c168-Antwi, Fran]; Lee, Mari [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7fa44d3c03fa45da9d33603ea6cbe7ec-Lee, Mari]; Card, Marcy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=84c30ee0e2a642ff92e0c32c3b59410d-Card, Marcy]; Orentas, Nerija [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=967e3e21e4094ed6a37bc8425c5dcc7e-Orentas, Ne]; Wong, Eva [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5f2d563d31044ea8a9f88639019c2a0-Wong, Eva]; Wong, Edmund [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a7274190da794813bbcb979ce41b8acf-Wong, Edmun]
Subject: RE: Request for help from ORD
Attachments: MJS comments QTOF Study Summary -- Sanitized.pdf

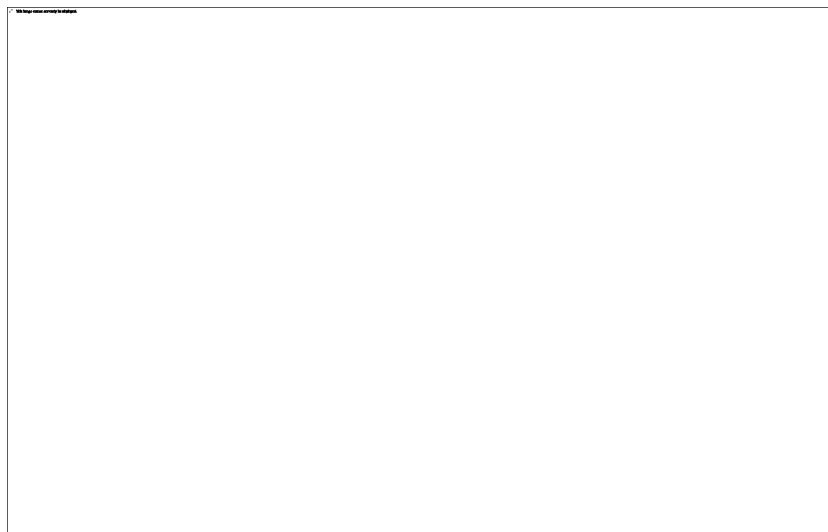
See my comments attached.

The 6:2 FTOH and the 5:2 sec FTOH will exist as acetate adducts of the alcohol in the QTOF in neg ESI mode.

Also their assessment of what was in the sample was 1) based on looking for what they already know to be there 2) suffers from very high LOQs 3) did not do a very good job of identifying other analytes beyond what was already known.

Polyfluorinated compounds have a unique mass defect due to multiple F and O presence in structures. With accurate masses between XXX.9XXX and XXX.05XXX it is very likely polyfluorinated and important.

Mark



From: Libelo, Laurence

Sent: Monday, June 12, 2017 7:25 AM

To: Strynar, Mark <Strynar.Mark@epa.gov>; Washington, John <Washington.John@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>

Cc: Lynch, David <Lynch.David@epa.gov>; Tobias, David <Tobias.David@epa.gov>; Antwi, Frank <antwi.frank@epa.gov>; Lee, Mari <Lee.Mari@epa.gov>; Card, Marcy <Card.Marcy@epa.gov>; Orentas, Nerija <Orentas.Nerija@epa.gov>; Wong, Eva <Wong.Eva@epa.gov>; Wong, Edmund <Wong.Edmund@epa.gov>

Subject: Request for help from ORD

Importance: High

Guys,

As you know we have required a lot of biodegradation and abiotic degradation studies of fluoro polymers submitted through the new chemicals program.

One company is trying develop methods for identifying impurities and residuals in telomer based polymers and to look for possible degradation products. They have had EAG (formerly Wildlife international) use the QTOF to see what it can do. I think this is Ning Wang's work since he is now at EAG having left DuPont/Chemours.

Can you please take a look at this report from EAG on their trial of using the QTOF to look at polymers used in degradation studies. What do you think? Are their LOQ reasonable? It looks like their standard curves could be go lower. And their standard peaks are well above the noise.

Would you agree with their unknown analysis?

Other thoughts?

Thanks.

Laurence